

What is claimed is:

1       1. A method of enhancing document transcoding, comprising steps of:  
2              specifying one or more annotations; and  
3              inserting one or more selected ones of the specified annotations in an a particular  
4              document, thereby preparing the particular document for enhanced transcoding.

1       2. The method according to Claim 1, wherein the including step occurs programmatically.

1       3. The method according to Claim 2, further comprising the step of transcoding the  
2              particular document using the inserted annotations.

1       4. The method according to Claim 1, wherein at least one of the specified annotations is  
2              specified separately from the particular document.

1       5. The method according to Claim 1, wherein at least one of the specified annotations is  
2              specified inline within the particular document

1       6. The method according to Claim 1, wherein at least one of the specified annotations  
2              requests clipping content from a document.

1       7. The method according to Claim 1, wherein at least one of the specified annotations  
2              describes changes to one or more form elements in a document.

1       8.     The method according to Claim 1, wherein at least one of the specified annotations  
2     prescribes one or more nodes to be replaced in a document.

1       9.     The method according to Claim 1, wherein at least one of the specified annotations  
2     specifies one or more (attribute name, attribute value) pairs to be inserted into a document.

1       10.    The method according to Claim 1, wherein at least one of the specified annotations  
2     specifies fine-grained transcoding preferences to be inserted into a document.

1       11.    The method according to Claim 10, wherein the fine-grained transcoding preferences  
2     pertain to a table in the document.

1       12.    The method according to Claim 1, wherein at least one of the specified annotations  
2     includes conditional syntax stating when the at least one annotation is to be inserted into a  
3     document.

1       13.    The method according to Claim 1, wherein at least one of the specified annotations  
2     prescribes Hypertext Markup Language (“HTML”) syntax to be inserted into a document.

1       14.    The method according to Claim 1, wherein at least one of the specified annotations  
2     prescribes rendered markup language syntax to be inserted into a document.

1       15.     The method according to Claim 1, wherein a location where each of the selected  
2            annotations is to be inserted is specified as an attribute of that annotation.

1       16.     The method according to Claim 15, wherein the location is expressed using positional  
2            information that is based upon target tags in a target document.

1       17.     The method according to Claim 16, wherein the positional information enables case-  
2            insensitive matching of text in the target document.

1       18.     The method according to Claim 16, wherein the positional information enables the  
2            inserting step to operate with statically-generated document content as well as with dynamically-  
3            generated document content.

1       19.     The method according to Claim 17, wherein the text is to appear as a tag in the target  
2            document.

1       20.     The method according to Claim 17, wherein the text is to appear as an attribute value in  
2            the target document.

1       21.     The method according to Claim 15, wherein a definition of the annotation indicates  
2            whether the annotation should be inserted before or after the location.

1       22.     The method according to Claim 6, wherein the at least one specified annotation further  
2     specifies one or more exceptions to the clipping of the content.

1       23.     The method according to Claim 11, wherein the at least one specified annotation further  
2     specifies one or more rows and/or columns to be clipped from the tables.

1 10      24.     The method according to Claim 1, wherein a definition of a particular one of the specified  
2 annotations states at least one (key, value) pair that indicates when this particular annotation is  
3 applicable.

1 10      25.     The method according to Claim 1, wherein an annotation file in which at least one of the  
2 specified annotations is stored has an associated (key, value) pair that indicates when this  
3 annotation file is applicable.

1       26.     The method according to Claim 15, wherein the location is expressed using XPath  
2     notation.

1       27.     A method for annotating structured documents, comprising steps of:  
2           receiving a request for a structured document;  
3           locating one or more annotation files which contain annotations which are pertinent to the  
4     request; and

5                   inserting the pertinent annotations into the structured document, thereby creating an  
6                   annotated document.

1       28.     The method according to Claim 27, further comprising the steps of:  
2                   applying the annotations in the annotated document, thereby creating a modified  
3                   document; and  
4                   transcoding the modified document, thereby creating a transcoded document.

1       29.     The method according to Claim 28, further comprising the step of sending the transcoded  
2                   document to a device which issued the request.

1       30.     A method for improved transcoding of structured documents, comprising steps of:  
2                   receiving a request for a structured document;  
3                   locating one or more annotation files which contain annotations which are pertinent to the  
4                   request;  
5                   applying the pertinent annotations to the structured document, thereby creating a modified  
6                   document; and  
7                   transcoding the modified document, thereby creating a transcoded document.

1       31.     A system for improved transcoding of structured documents, comprising:  
2                   means for receiving a request for a structured document;  
3                   means for locating one or more annotation files which contain annotations which are

4       pertinent to the request;

5           means for applying the pertinent annotations to the structured document, thereby creating

6       a modified document; and

7           means for transcoding the modified document, thereby creating a transcoded document.

1       32.     A computer program product for improved transcoding of structured documents, the

2       computer program product embodied on one or more computer-readable media and comprising:

3           computer-readable program code means for receiving a request for a structured document;

4           computer-readable program code means for locating one or more annotation files which

5       contain annotations which are pertinent to the request;

6           computer-readable program code means for applying the pertinent annotations to the

7       structured document, thereby creating a modified document; and

8           computer-readable program code means for transcoding the modified document, thereby

9       creating a transcoded document.